

Date: Mon, 27 Sep 93 20:34:29 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1147  
To: Info-Hams

Info-Hams Digest                      Mon, 27 Sep 93                      Volume 93 : Issue 1147

Today's Topics:

5 1/2 Weeks for License!!  
6-meter EME test from Peru  
6 weeks 1 day!  
Antenna Covenants AGAIN (but now with a twist!)  
bosnia  
Cable TV and Broadcasters (was: local  
eliminating RFI from PC on hf bands  
How to Measure Q  
ht mods...  
Linear amp questions (2 msgs)  
Linear OK for Tech-plus?? (Answer)  
Need good/cheap place to buy ferrite chokes  
RS HTX-202 a good buy at \$199?  
Simple Scanner Question  
The best ham rig! (was: I bet you've never heard this one)  
WARNING: POTENTIAL MAJOR SOLAR FLARE WARNING - 27SEP93

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 28 Sep 93 01:58:22 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 5 1/2 Weeks for License!!  
To: info-hams@ucsd.edu

After 5 1/2 weeks, my friend just received his new license. I officiated  
at the VE session where he took his exam on August 19th. Today, September

27th, he received his license dated September 21st. It looks like the logjam is clearing! By the way, his new call is N2WPN.

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+-----+
| Robert G. Schaffrath, N2JTX | Internet:   rgs%wpmax2%gfmida@uunet.uu.net |
| Systems Engineer          | CompuServe: 70541,435 |
| Maxwell House Coffee Company | Phone:      914-335-2777 |
| Kraft General Foods Corp.   | Slogan:     "ervice is ur mott" |
+-----+
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Date: 27 Sep 93 19:19:16 GMT  
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hpl.hp.com  
Subject: 6-meter EME test from Peru  
To: info-hams@ucsd.edu

Michael Owen (MOWE%SLUMUS.BITNET@CUNYVM.CUNY.EDU) wrote:  
: OA4LS and crew were heard on 49.92 MHz friday evening with loud signals  
: via EME. Signals were up to 20 dB out of the noise at K6MYC.

What kind of antenna was used at K6MYC? Several of us couldn't hear anything with simple omni antennas.

The original announcement implied that they were transmitting with a megawatt of transmitter power into a 43 dB gain antenna. It sounds like it actually was a megawatt of effective radiated power (i.e. 50 watts of transmitter power.) Does anybody know?

AL N1AL

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Date: Mon, 27 Sep 1993 22:52:42 GMT  
From: swrinde!gatech!howland.reston.ans.net!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!hobbes.physics.uiowa.edu!news.uiowa.edu!icaen.uiowa.edu!drenze@network.ucsd.edu  
Subject: 6 weeks 1 day!  
To: info-hams@ucsd.edu

Took the exam on 15 August. License issued 21 September. Arrives in mail, 27 September. Total elapsed time since the CSCE got into my hot little hands, 6 weeks 1 day 0 hours 25 minutes!

Doug, N0YVW

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--
__  /|  | Douglas J Renze, N0YVW | Charter Member, Popular Front
\ 'o.O' | +1 319 337 4664         | for Revolutionary Darwinism:
=(___)= | drenze@isca.uiowa.edu   |
```

U | Douglas-Renze@uiowa.edu |

Evolution Now!

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Date: Mon, 27 Sep 1993 18:24:36 GMT  
From: pacbell.com!att-out!att!att!bigtop!longs!n2ic@decwrl.dec.com  
Subject: Antenna Covenants AGAIN (but now with a twist!)  
To: info-hams@ucsd.edu

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Date: Mon, 27 Sep 1993 16:33:36 GMT  
From: concert!gatech!usenet.ufl.edu!cybernet!news@decwrl.dec.com  
Subject: bosnia  
To: info-hams@ucsd.edu

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Dear Radio Ham Operators,

I am contacting you with the hope that you might be able to help me.  
There has not be any contact with my country for more then one year and I  
don't knpw anything about my family and my best friends.

I would really appreciate if you can help me to contact Bosnia somehow.  
Also, I would like to know what is a Radio fraquency for Bosnian and  
Croatian Radio Station emitted on short waves.

Please, if you are able to help me, my address is :

YASMEEN@CYBERNET.CSE.FAU.EDU

Thank you !

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Date: Mon, 27 Sep 1993 16:06:59 GMT  
From: mdisea!mothost!lmpsbbs!news@uunet.uu.net  
Subject: Cable TV and Broadcasters (was: local  
To: info-hams@ucsd.edu

In article 93Sep27072216@hack.afit.af.mil, jmillier@hack.afit.af.mil (Jeff Miller,  
Homer Simpson's alter ego) writes:  
{I tried to stir up the pot over on .policy with this, but nothing boiled :-).

Looks

}like a similar discussion is starting over here, so what the heck... ;-)

}

}Jeff

}

}

}In article <JMILLER.93Sep23172432@rufus.afit.af.mil> jmiller@rufus.afit.af.mil  
(Jeff Miller, Homer Simpson's alter ego) writes:

} In article <CDo86M.F31@news.Hawaii.Edu> bob@kahala.soest.hawaii.edu (Bob  
Cunningham) writes:

}

} [Synopsis of Honolulu Advertiser stories of interest]

}

} Local TV broadcast stations are broadcasting long "informational ads"  
trying to

} get more of the public on their side in their dispute with cable  
operators. The cable operators (Oceanic, et al) want to continue  
to carry the local network affiliates, and not pay them. Meanwhile,  
the TV stations, want \$\$\$ from the cable companies in exchange for  
providing their signals.

}

}

} Heh heh heh. Personally, I think the broadcasters should go pound poi. The  
CATV

} companies are doing them a favor by extending their signals into areas that  
they

} (the signals) wouldn't otherwise be able to reach. Heck, that \*was\* the  
purpose

} of the first CATV companies...put a good antenna on a hill to provide service  
to

} areas in "shadow". More viewers means a bigger market for advertisers; seems  
to

} me that the TV broadcasters ought to realize that (and that cable bandwidth  
ain't

} free, either!).

Bulls-Eye, I too think that the broadcasters are off base on this one too.

Let's also add our dear legislators to that list for not understanding  
how broadcast TV works, i.e.- they get their money from advertising.

Hey, now there's a thought, complain to the advertisers. Let's get them into  
this antenna convenient thing, hi hi.

73, Bruce, WB4YUC, e1 YUCC0. . .

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Date: 28 Sep 93 00:07:09 GMT  
From: ogicse!hp-cv!sdd.hp.com!think.com!jimmy!zicarell@network.ucsd.edu  
Subject: eliminating RFI from PC on hf bands  
To: info-hams@ucsd.edu

Can anyone recommend a good source of information to help with eliminating annoying harmonics generated by a PC. They are especially strong on 10 and 15 meters. Thanks.

Tom Zicarelli  
KA1IS

-----  
Date: 27 Sep 93 19:16:07 GMT  
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hpl.hp.com  
Subject: How to Measure Q  
To: info-hams@ucsd.edu

William E Van Horne (wvanhorn@magnus.acs.ohio-state.edu) wrote:  
: Advertisements by MFJ running in current magazines include  
: their model MFJ-203 Dip Meter. The ad claims that one can  
: "Measure Q of coils" using it. I have a grid-dip meter, but  
: sure don't know how to use it to measure Q of coils. Can  
: anyone enlighten me?

: ... Or what other effect am I missing?

I don't think you are missing anything. You can get a very rough subjective estimate of Q by how deep the dip is on the dip meter. But to say you can "measure the Q of coils" is a pretty far stretch, even by advertising standards.

AL N1AL

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Date: Mon, 27 Sep 1993 16:11:23 GMT  
From: spsgate!mogate!newsgate!dicarlo.sps.mot.com!r14793@uunet.uu.net  
Subject: ht mods...  
To: info-hams@ucsd.edu

I know this has been posted before, but I looked through the faq, the list of articles on my server and and several ftp sites. I cannot find the repository for the ht mods. Would someone please repost the address.

Thanks,  
dave dicarlo  
r14793@waccvm.sps.mot.com

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Date: 27 Sep 93 19:03:21 GMT  
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hpl.hp.com  
Subject: Linear amp questions  
To: info-hams@ucsd.edu

Douglas J Renze (drenze@icaen.uiowa.edu) wrote:  
: Could somebody please clarify some questions about linear amplifiers for me?

: 1. What exactly constitutes a linear amplifier?

It's a type of radio-frequency power amplifier. "Linear" means the envelope of the modulation is not distorted. "Modulation" means any of the various types of amplitude modulation such as AM, SSB and some of the digital modes.

: 2. What specific class of license do you have to have to  
: use one? I think it's general, but the texts I've studied  
: from aren't totally clear.

Any class of Amateur license may use an amplifier. You must of course keep within the power limitations of your license class. CB operators may not use external power amplifiers.

: 3. I recently came across a design for "A 2-Meter FET Amplifier  
: for Your Handheld" from the October '92 "73" 'zine. Is this  
: legal for me to operate as a Tech Plus?

I don't know the article, but it should be legal. There are FCC requirements on spurious and harmonic levels, but 73 magazine would not lead us astray, would it? :) By the way, strictly speaking you don't need a "linear" amplifier for FM. Since FM has no amplitude variation, a class-C amplifier, which distorts the amplitude modulation wave shape, would work fine. Many "linears" designed for FM operation are in fact not linear. Just don't try to use them on SSB.

AL N1AL

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Date: 27 Sep 93 08:07:51 EST  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!math.ohio-state.edu!  
pacific.mps.ohio-state.edu!ohstpy.mps.ohio-state.edu!miavx1!miavx3.mid.muohio.edu!

clmorgan@ames.arpa  
Subject: Linear amp questions  
To: info-hams@ucsd.edu

In article <1993Sep24.174826.15812@news.uiowa.edu>, drenze@icaen.uiowa.edu  
(Douglas J Renze) writes:

> Could somebody please clarify some questions about linear amplifiers for me?  
>  
> Here is more or less what I'm interested in having explained.  
>  
> 1. What exactly constitutes a linear amplifier?

A linear amplifier is one in which the output tube(s) or transistor(s)  
conduct for a total of 360 degrees. This type of amplifier is  
required ONLY when the input signal is amplitude-modulated; i.e.,  
SSB, AM, etc.

> 2. What specific class of license do you have to have to  
> use one? I think it's general, but the texts I've studied  
> from aren't totally clear.

Any class of license ... so long as you do not exceed the power  
limits of your license or band segment.

> 3. I recently came across a design for "A 2-Meter FET Amplifier  
> for Your Handheld" from the October '92 '73" 'zine. Is this  
> legal for me to operate as a Tech Plus?

Sure is so long as you are licensed for that band and the amplifier's  
output does not exceed the limits imposed on your class of license  
(believe that's 1500W PEP!).

> Please forgive me if some of these questions are a bit simplistic, but I've  
> done all my studying on my own and haven't been able to find any local hams  
> willing to explain the ins and outs of the Amateur Radio Service to me.

No forgiveness needed nor should you be asking for any. It is  
indeed sad that you've not been able to find these answers among  
the amateurs in your area. Sounds like we (that's a COLLECTIVE  
"we", guys) have let you down in not providing the proper help  
and guidance.

> Tnx es 73 de Doug N0Y??  
> License Watch: Day 39 (05W 04D 23H 45M) and counting...

>  
>  
> --

> \_\_ /| | Douglas J Renze | Charter Member, Popular Front

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> \ 'o.O' | +1 319 337 4664 | for Revolutionary Darwinism:
> =(____)= | drenze@isca.uiowa.edu |
> U | Douglas-Renze@uiowa.edu | Evolution Now!
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Welcome to ham radio! I hope your enjoyment is long and rewarding.

73 >< Carl  
K8NHE

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Date: Mon, 27 Sep 1993 19:12:11 GMT  
From: news.service.uci.edu!paris.ics.uci.edu!csulb.edu!library.ucla.edu!  
europa.eng.gtefsd.com!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!  
col.hp.com!srigenprp!alanb@network.ucsd.edu  
Subject: Linear OK for Tech-plus?? (Answer)  
To: info-hams@ucsd.edu

Robert Carpenter (rc@cmr.ncsl.NIST.GOV) wrote:  
: ... FM and CW modulation does  
: not require linear amplification to avoid distortion of the modulation  
: with resulting unwanted sidebands.

One minor nit: Some class-C amplifiers are non-linear enough to significantly distort the turn-on/turn-off characteristics of a CW signal. This can cause "key clicks" that interfere with nearby frequencies. Something to watch out for.

AL N1AL

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Date: 27 Sep 93 18:50:18 GMT  
From: panix!not-for-mail@nyu.arpa  
Subject: Need good/cheap place to buy ferrite chokes  
To: info-hams@ucsd.edu

HI,

I've posted this in rec.audio/rec.video and did not have much luck. Maybe I'll have more luck here.

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Does anyone know a good(cheap :)) mail order place to get ferrite chokes? Radio Shack has the round cylindrical type for \$5 and rectangular snap together type for \$8 (for 2).



I'll be using them for my stereo components' connects and speaker wires(to cut interference), so they should probably be at least 0.25" in inner diameter. I also have the catalog from Mouser, but the ferrite beads they have are too narrow in diameter to let a wire thru.

Any suggestions/comments relating to this is welcome.

Thanks in advance.

John  
jlee@panix.com

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Date: 27 Sep 93 19:06:42 GMT  
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hpl.hp.com  
Subject: RS HTX-202 a good buy at \$199?  
To: info-hams@ucsd.edu

o10022@waccvm.corp.mot.com (o10022@waccvm.corp.mot.com) wrote:

: Having seen a scattering of comments on the RS HT-202, it has  
: not yet been clear to me whether it is a good/average/bad unit.  
: It's on sale until 9/25 (tomorrow) for \$199.95, and I need to  
: make a decision about buying one.

IMHO it's a good buy at \$200. Advantages: easy to use, excellent rejection of unwanted out-of-band signals, fairly small and light, good feature set (scanning, P/L, DTMF, etc.). Disadvantages: will not receive out of band, somewhat fewer "bells and whistles" than some other units.

AL N1AL

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Date: Mon, 27 Sep 1993 10:36:21 GMT  
From: elroy.jpl.nasa.gov!swrinde!gatech!mailer.cc.fsu.edu!NewsWatcher!user@ames.arpa  
Subject: Simple Scanner Question  
To: info-hams@ucsd.edu

I apologies in advance if this is not the correct posting place, but I am new to this game.

I am going to a NASCAR auto race in two weeks. I want to purchase a scanner to listen to the drivers and pit crews. I know the frequencies for

most drivers are between 460 and 470 and another range of 850 through 856.

Anyone have any suggestions on brand names / # of channels / costs / features / etc. for scanners I should look for? I do not want to spend more than, say, \$ 300.00.

Please e-mail me at shodge@opus.freac.fsu.edu with any comments.

Thanks in advance

Stephen W. Hodge

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Date: 27 Sep 93 12:59:42 EDT  
From: psinntp!arrl.org@uunet.uu.net  
Subject: The best ham rig! (was: I bet you've never heard this one)  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, doc@webrider.central.sun.com (Steve Bunis) writes:

>To save alot of repetition - Is there a FAQ or ftp site where I can  
>get information on the many transceivers that are available on the market  
>and their plusses/minusses?

All of the major ham magazines do monthly equipment reviews. These are a good source of in-depth information about current rigs, although rigs are introduced months before the review can appear in print.

Reprints of QST reviews are avaiable from the ARRL Technical Department Secretary, or have been compiled into our Radio Buyers Sourcebook. Contact the ARRL for info.

I have also seen CQ's Equipment Buyer's Guide, listing a brief description and specifications of many pieces of ham equipment. Contact CQ for info.

A two-part QST article on selecting a rig appeared in February and April QST. This is available electronically from the ARRL Automated Electronic Mail Server (info@arrl.org). Send the following as text in a message to info@arrl.org

send best-rig-1  
send best-rig-2  
send catalog  
help  
index  
quit

73 from ARRL HQ, Ed

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Ed Hare, KA1CV  
American Radio Relay League  
225 Main St.  
Newington, CT 06111  
(203) 666-1541 - voice  
ARRL Laboratory Supervisor  
RFI, xmtr and rcvr testing  
-----

ehare@arrl.org

"You will never put the puzzle together  
if you keep putting all of the pieces  
back in the box." Colleen

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Date: 27 Sep 93 23:29:49 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: WARNING: POTENTIAL MAJOR SOLAR FLARE WARNING - 27SEP93  
To: info-hams@ucsd.edu

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POTENTIAL MAJOR SOLAR FLARE WARNING

ISSUED: 23:00 UT, 27 SEPTEMBER

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PRIMARY CANDIDATE FOR HIGH SOLAR ACTIVITY : REGION 7590 (E11E76@28/0000Z)

ESTIMATED POTENTIAL MAGNITUDE OF ENERGETIC ACTIVITY OVER NEXT 7 DAYS						
DAYS	C5.0	M1.0	M5.0	X1.0	X5.0	>X12.0
1(+)	100 %	60 %	30 %	20 %	5 %	1 %
3(+) G	100 %	80 %	50 %	30 %	10 %	1 %
5( ) PG	100 %	90 %	60 %	40 %	15 %	2 %
7( ) PG	100 %	95 %	70 %	45 %	20 %	2 %

NOTE: THE ABOVE ESTIMATES ARE BASED ON VERY LIMITED AND PRELIMINARY DATA  
REGARDING REGION 7590. THEY WILL BE UPDATED (IF NECESSARY) OVER THE  
NEXT DAY OR TWO AS THIS REGION MOVES AWAY FROM THE LIMB.

DAYS = Number of days (from present) into the future (1, 3, 5 and 7 days).  
(+) = Primary candidate region expected to GROW and DEVELOP.

( ) = Primary candidate region expected to STABILIZE or remain STABLE.  
(-) = Primary candidate region expected to DECAY and SIMPLIFY.  
(x)P = Possible proton and/or PCA threat. (x) may be one of (+), (-), or ( ).  
(x)G = If a favorable major flare develops, a moderate to high probability exists that the event may be geoeffective.  
xx % = Probability of activity equalling or exceeding the given x-ray class sometime over the next number of DAYS.  
WLT = Data not applicable due to the West Limb Transit of the target region.

The above chart should be used as a guide only. It represents anticipated levels of activity based on current projections of region development. Actual conditions may, of course, differ from these projections.

#### SYNOPSIS:

Region 7590 (N11E76) has rotated onto the northeast limb as a large region in excess of 660 millionths. It is presently an FK0 type group, but may be reclassified as an FKC type group after the region moves away from the east limb. Extremely intense Ca XV emissions have been associated with this region over the last 3-days. This, together with the frequent flaring and strong surging which has been observed from this region over the last 24 hours, illustrates the volatility of the region. Two M-class flares have erupted from this region over the last 12 hours, both reaching M1.8 levels. Tenflares, and fairly rich spectral radio bursts have also been observed with activity from this region as the group crossed over the east limb.

This region has the potential to produce possibly significant major flare activity. There is a moderate risk for X-class flares from this region.

More will be known after the area rotates away from the limb where analysis is difficult. This warning will be updated, as needed, when further information becomes available.

This warning will remain active until 09 October when it will be allowed to expire. Updates are forthcoming in the days ahead.

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Date: (null)

From: (null)

These restrictive covenants are NOT unique to city-size lots. There are numerous 2-3 acre subdivisions in the Denver area that do not allow outdoor antennas of any kind. I know of at least one 35 acre subdivision that does

not allow outdoor antennas ! The motto of these subdivisions seems to be horses, FB.....anything else, go to hell !

> My next home (after I get the kids finished with college) will  
> be further out in the country with enough land to allow me to  
> do what I wish without concerning my neighbors unduly.

See above comment.

Steve, N2IC/0

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Date: Mon, 27 Sep 1993 16:00:00 GMT  
From: pa.dec.com!e2big.mko.dec.com!nntpd.lkg.dec.com!ryn.mro4.dec.com!  
est.enet.dec.com!randolph@decwrl.dec.com  
To: info-hams@ucsd.edu

References <CDpto8.65q@bigtop.dr.att.com>, <CDt76z.KqM@wang.com>,  
<1993Sep26.124205.3674@ke4zv.atl.ga.us>~  
Subject : Re: Antenna Covenants AGAIN (but now with a twist!)

In article <1993Sep26.124205.3674@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes...

>In article <CDt76z.KqM@wang.com> djenkins@wang.com (Dave Jenkins) writes:

>There's

>a good bit of talk in the broadcast business about shutting down  
>the transmitters in 5 years or so because so few viewers are now  
>getting their signals via over the air transmissions. Broadcasters  
>may soon be just another cable programing service.

Wow! Hundreds of MHz free for the taking! Can't wait!

Seriously, I hope the ARRL and others are ready to propose new amateur bands if the broadcasters cease use of all that spectrum. Of course, in my opinion it's all totally wasted on TV at the present time, anyway.

-Tom R. N100Q randolph@est.enet.dec.com

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End of Info-Hams Digest V93 #1147

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